

**FIG. 1**  
**(Prior Art)**

Inventor: Rene N. Ritter et al.

Title: Apparatus and Method for Resistivity Measurements During Rotational Drilling

Serial No.: 10/657,870; Filed: September 9, 2003; Confirmation No.: 2078

Docket No.: 313-34391-US

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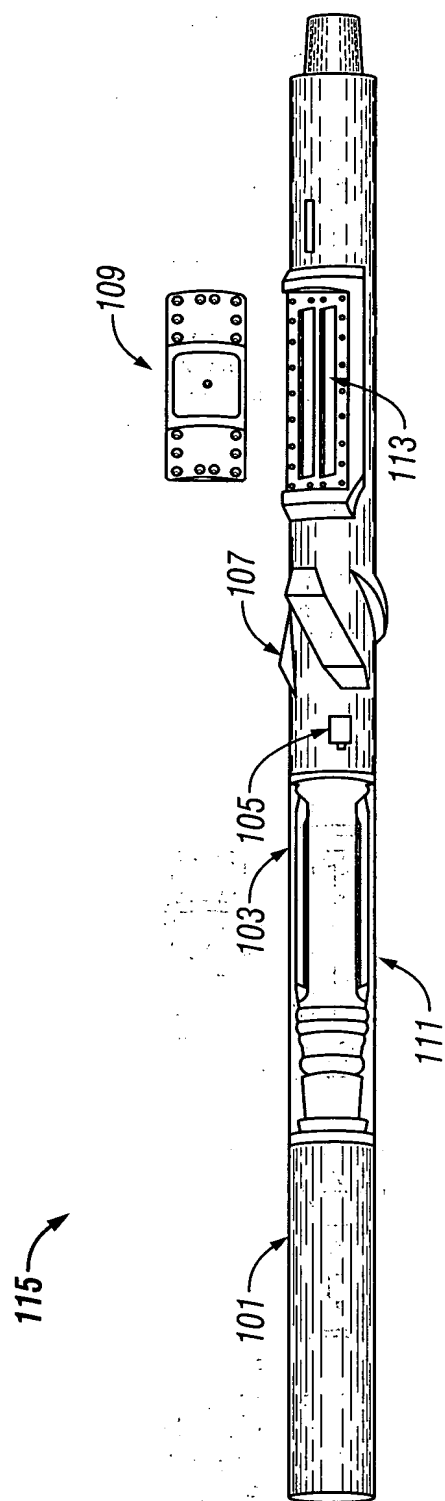


FIG. 2

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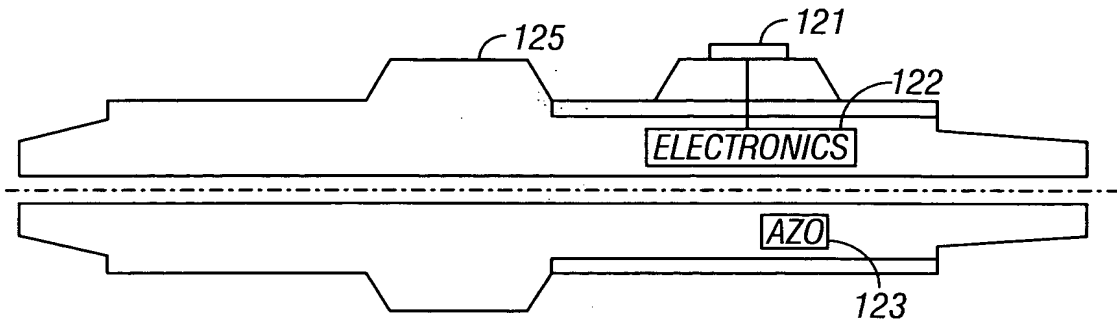


FIG. 3A

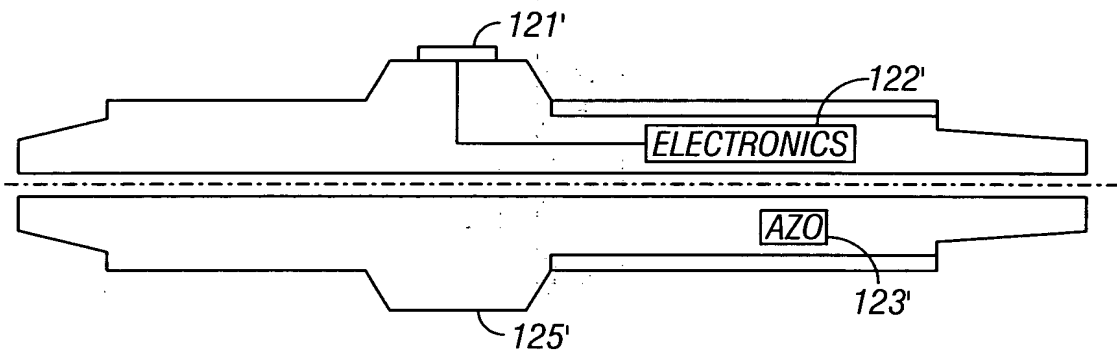


FIG. 3B

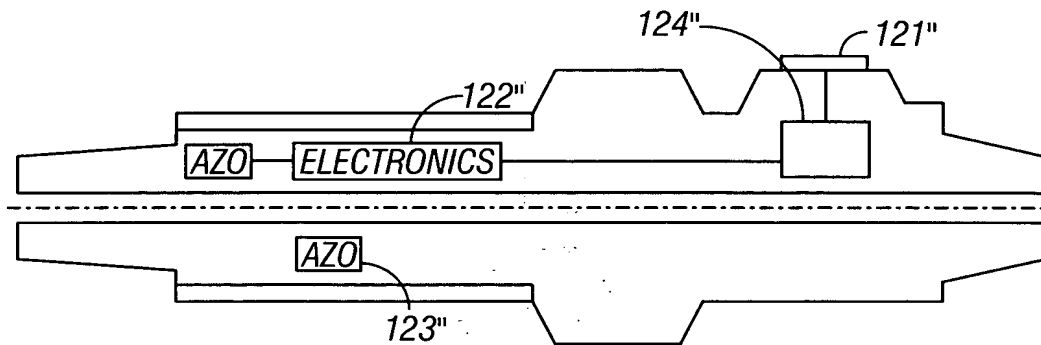


FIG. 3C

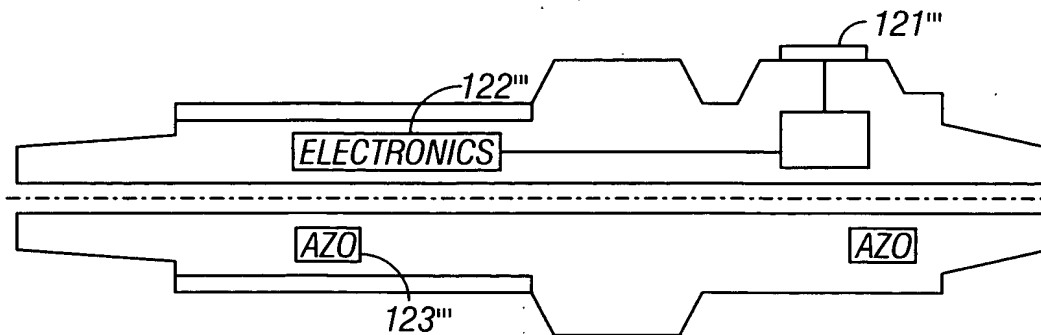


FIG. 3D

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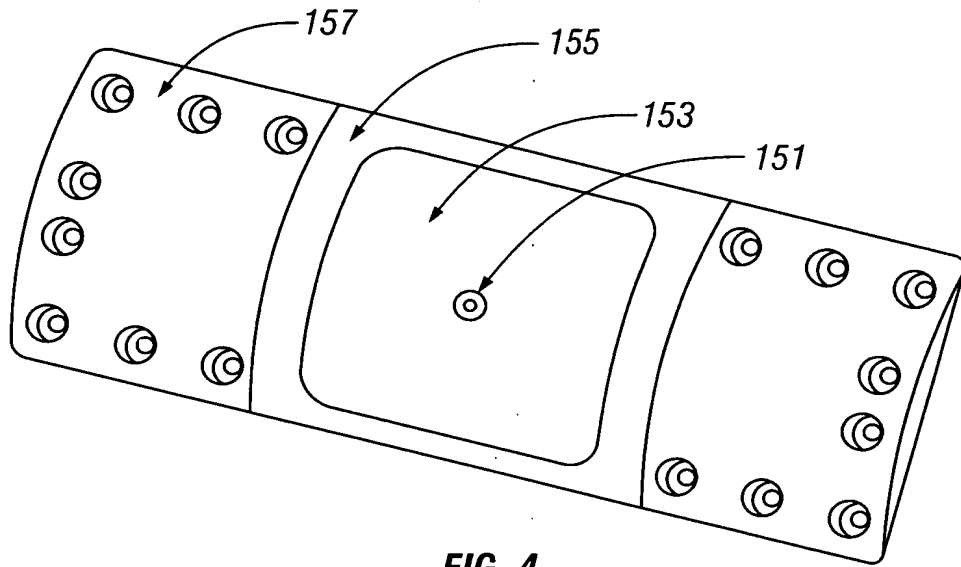


FIG. 4

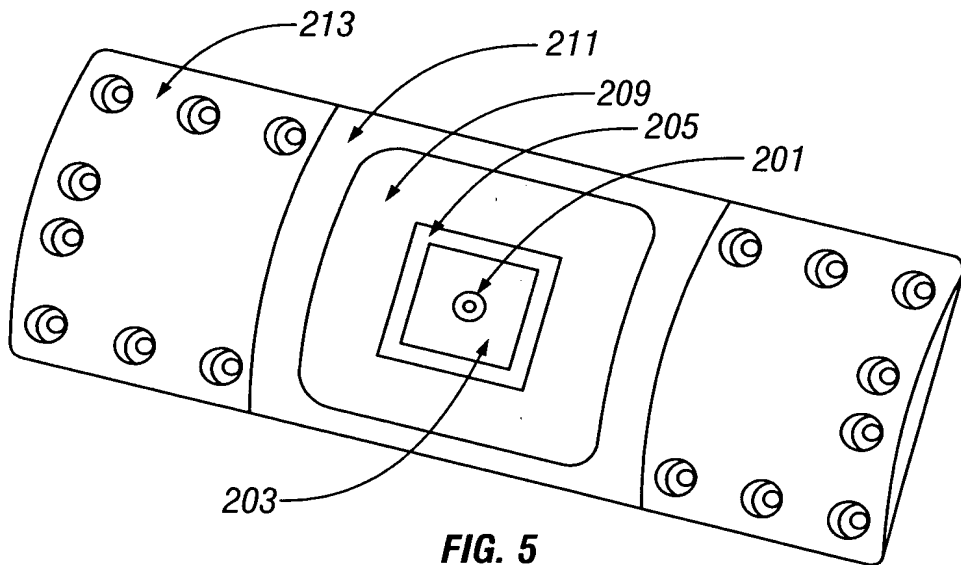


FIG. 5

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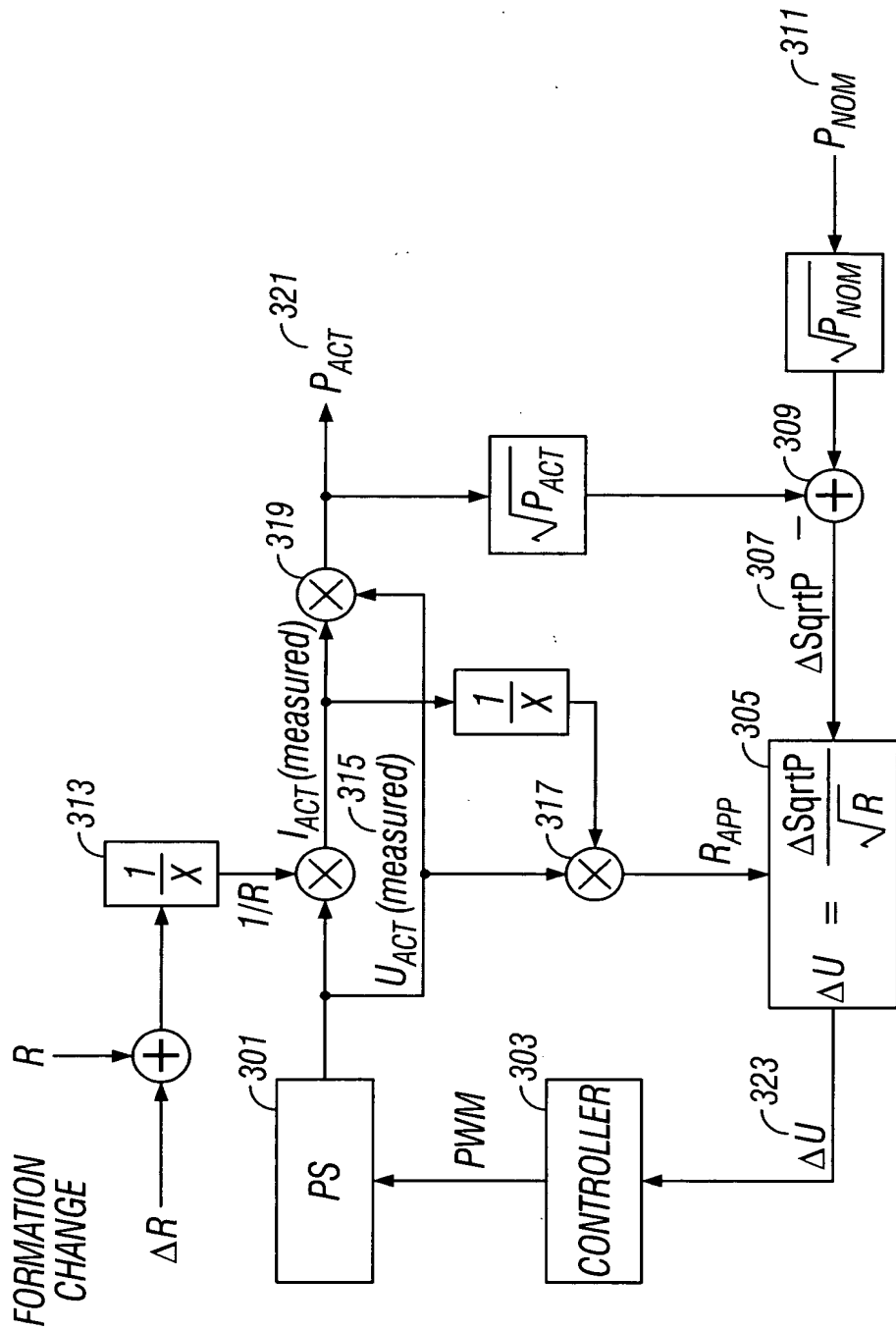


FIG. 6

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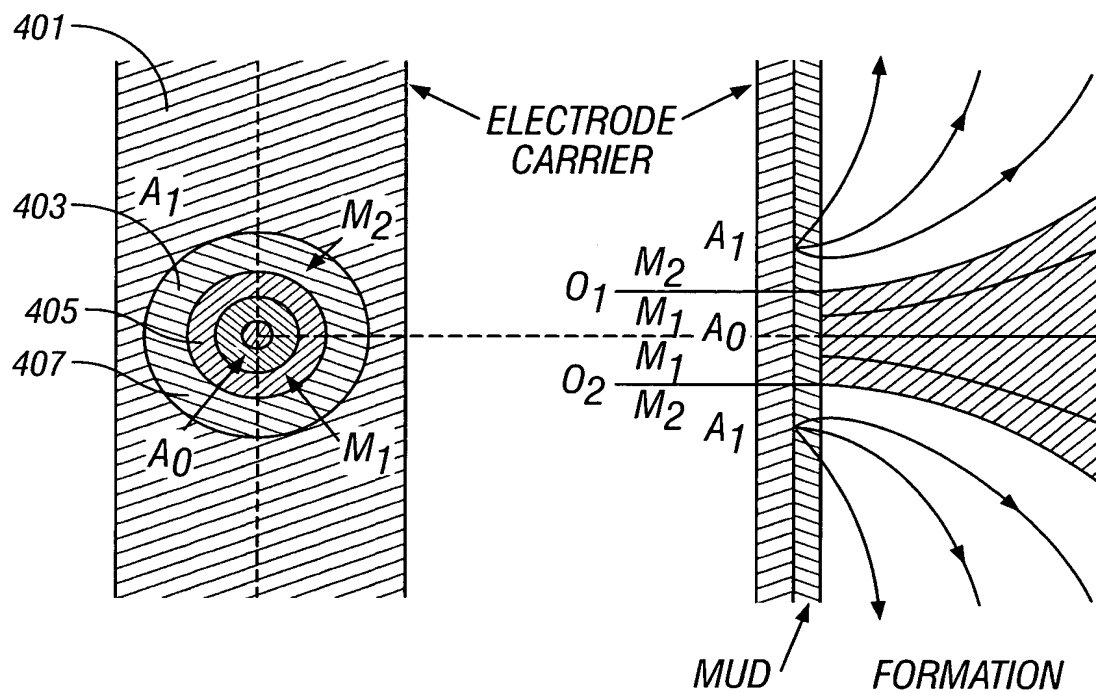


FIG. 7

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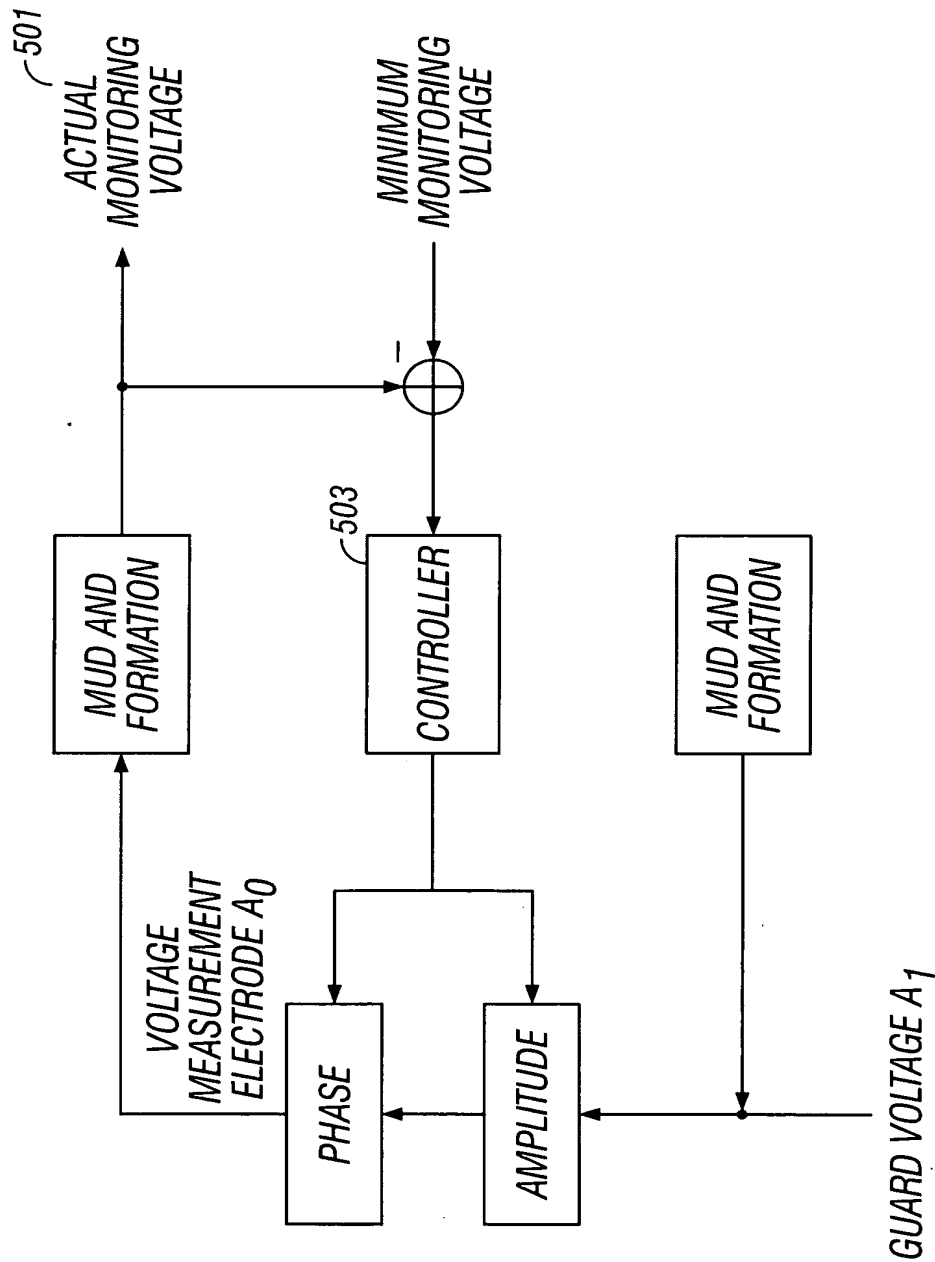


FIG. 8

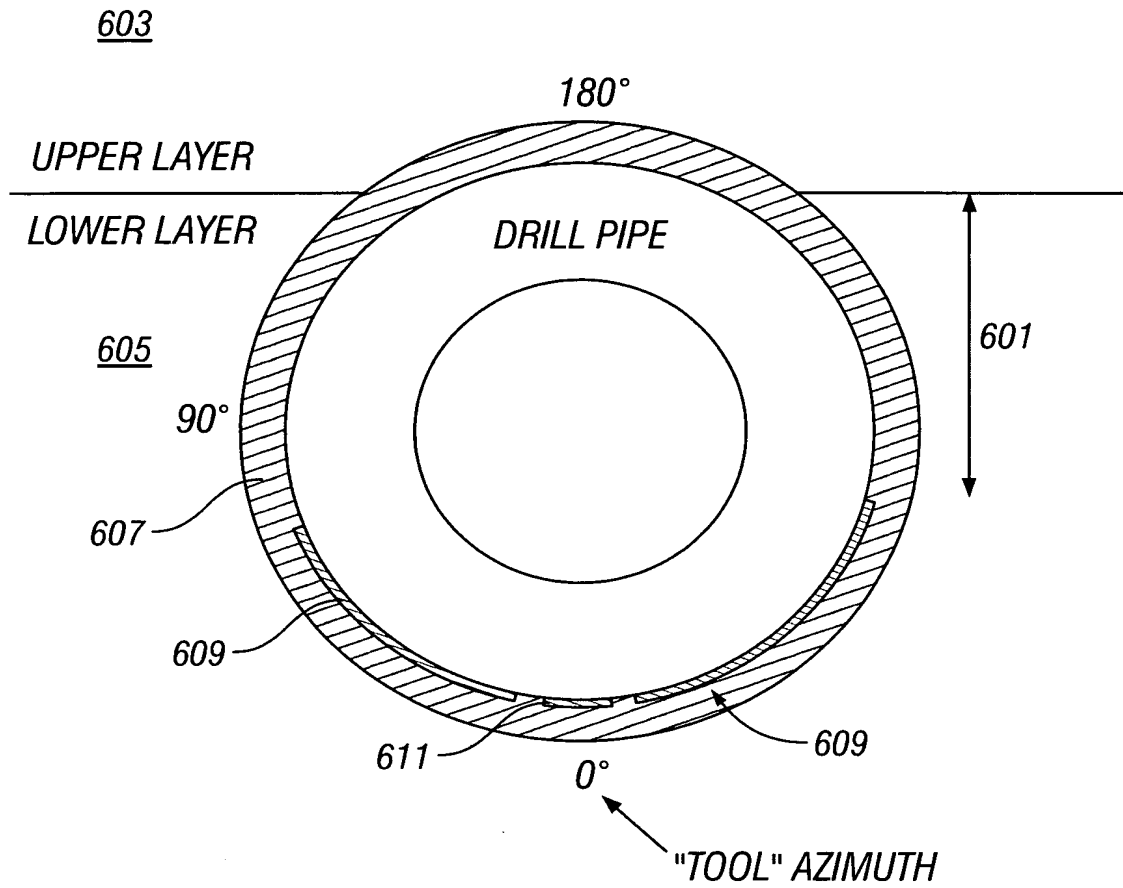
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**FIG. 9**



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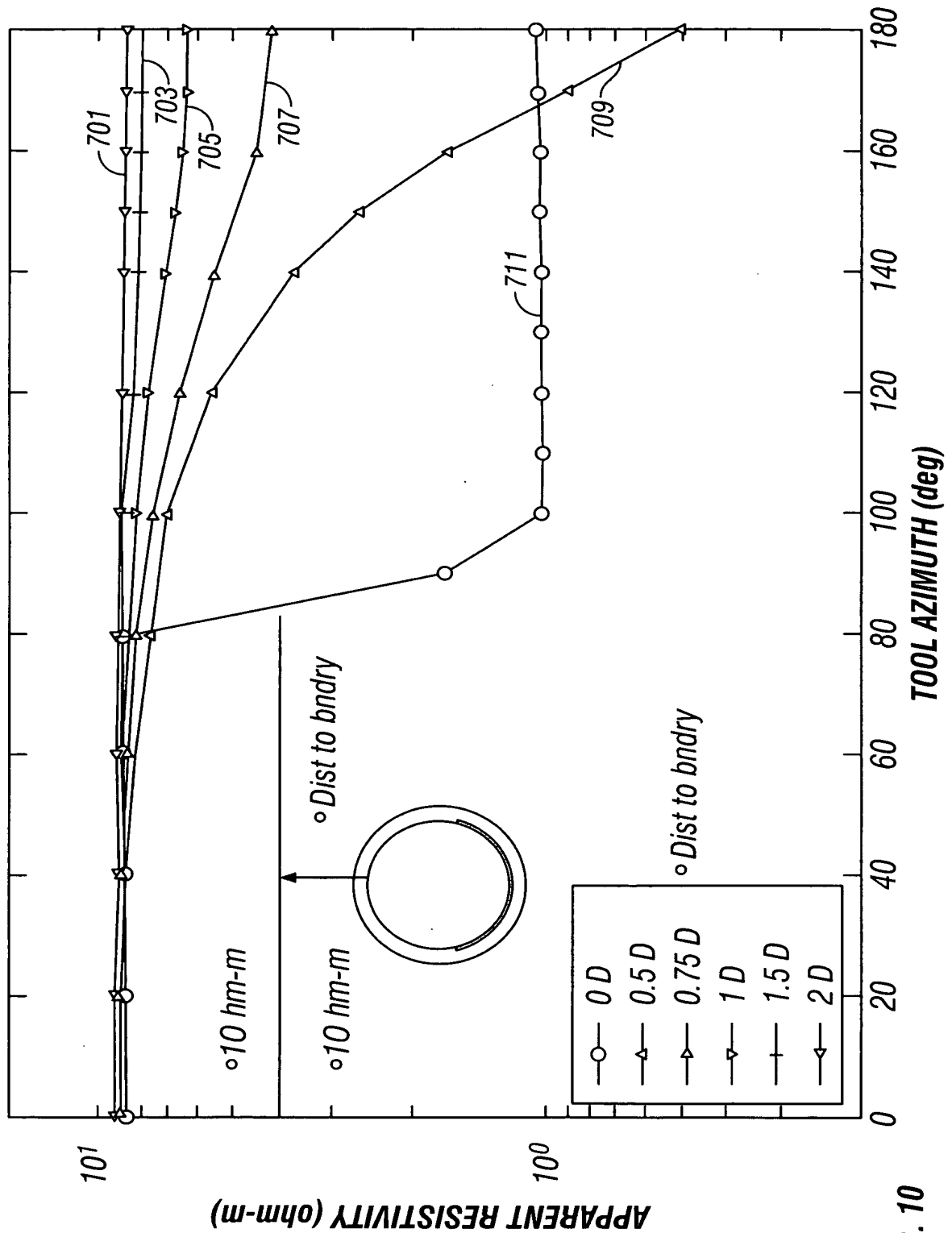


FIG. 10

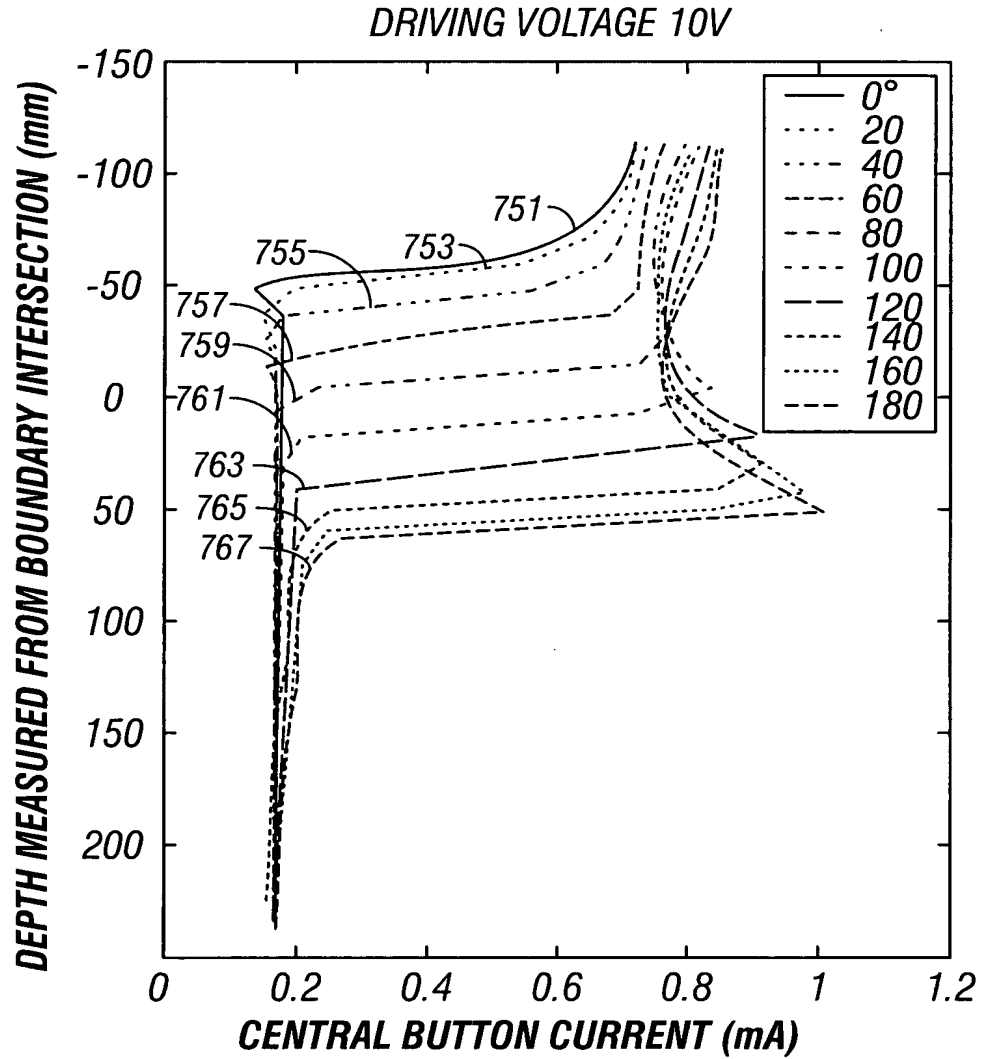
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**FIG. 11**

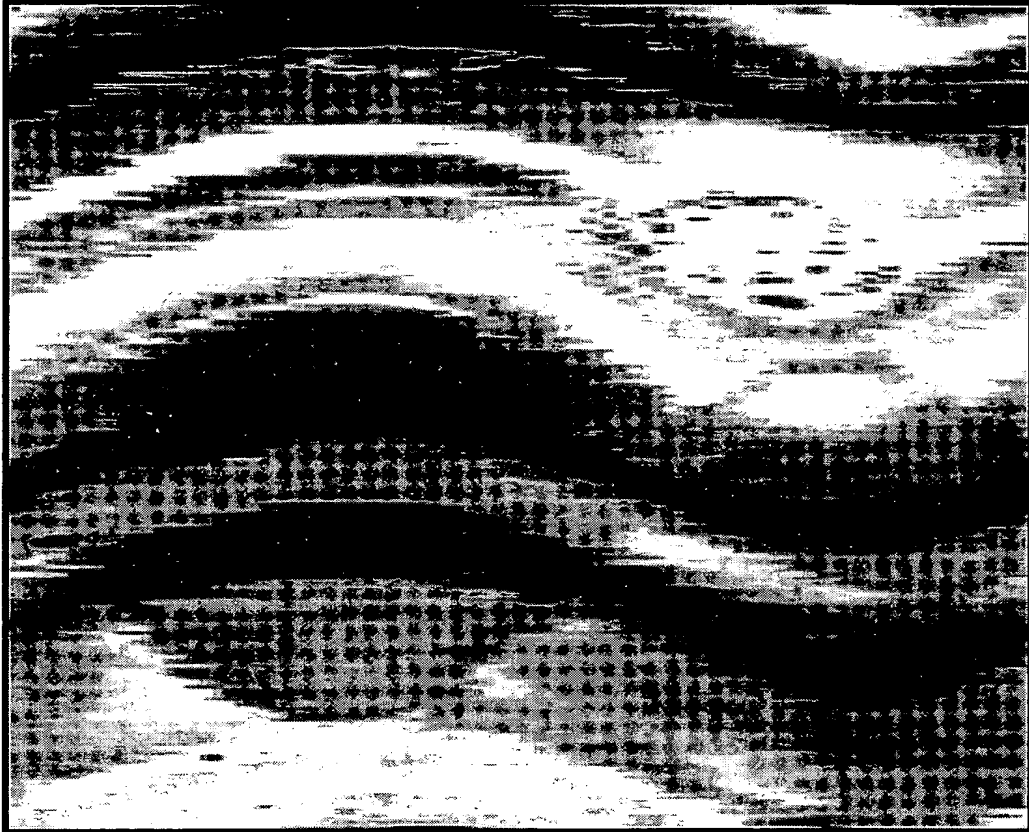
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**FIG. 12**

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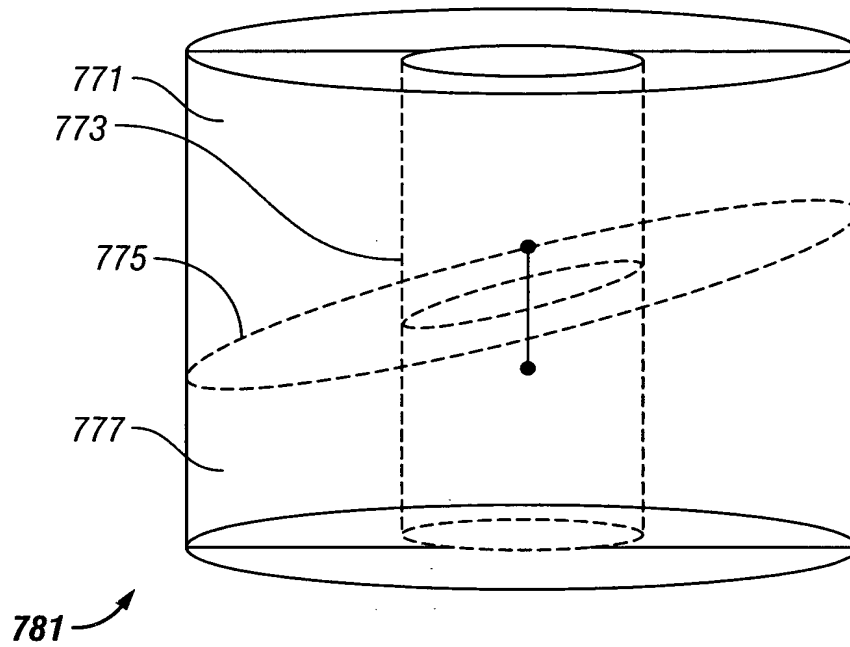


FIG. 12A

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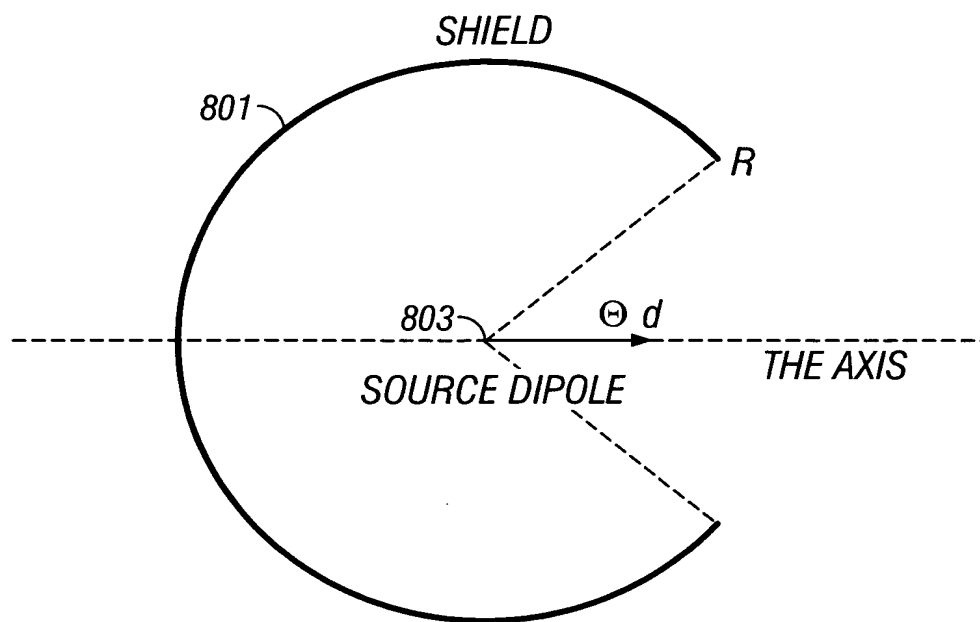


FIG. 13

QUADRUPOLE INDUCTION SYSTEM

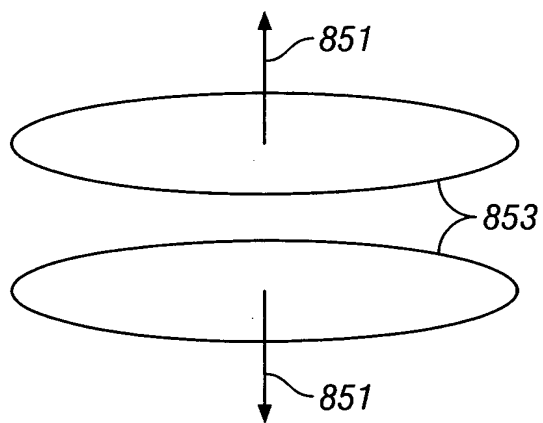


FIG. 14

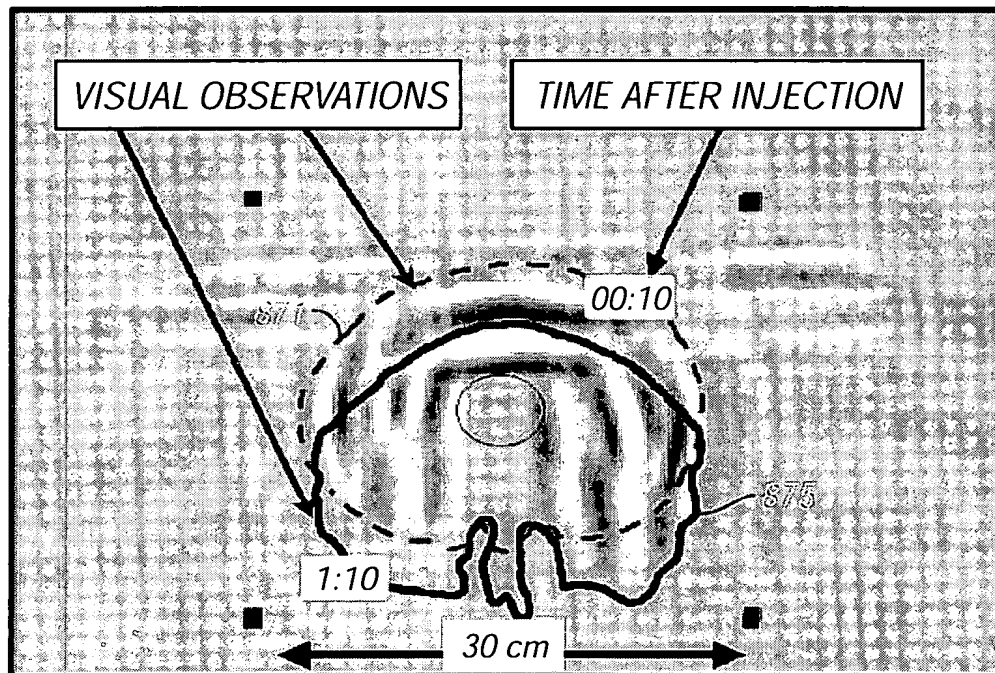
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**FIG. 15**  
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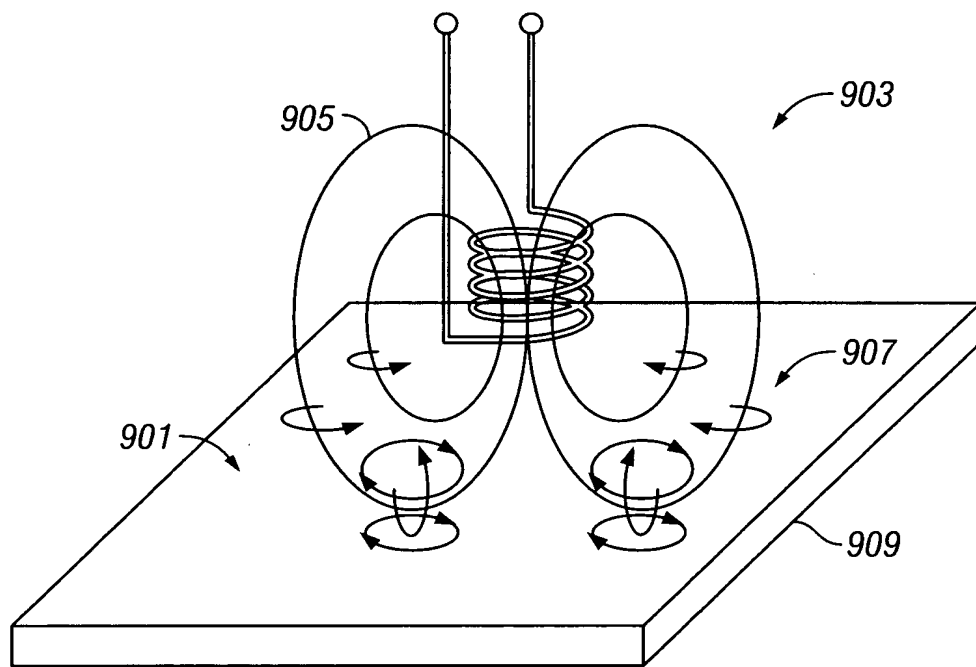
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**FIG. 16**  
**(Prior Art)**